

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
24 November 2022 (24.11.2022)



(10) International Publication Number
WO 2022/246381 A1

(51) International Patent Classification:

C08F 226/06 (2006.01) C08L 101/02 (2006.01)
C08F 301/00 (2006.01) C09G 1/02 (2006.01)
C08L 39/04 (2006.01) C09K 3/14 (2006.01)
C08L 53/00 (2006.01) H01L 21/306 (2006.01)

Published:

— with international search report (Art. 21(3))

(21) International Application Number:

PCT/US2022/072336

(22) International Filing Date:

16 May 2022 (16.05.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/191,047 20 May 2021 (20.05.2021) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(54) Title: IMIDAZOLIUM-BASED POLY(IONIC LIQUID)S AND USE THEREFORE

(57) Abstract: Synthesis of imidazolium-based poly(ionic liquid)s is disclosed. Chemical Mechanical Planarization (CMP) slurries comprise abrasives; activator; oxidizing agent; additive comprising imidazolium-based poly(ionic liquid); and water. The use of the synthesized imidazolium-based poly(ionic liquid)s in the CMP slurries reduces dishing and erosion in highly selective tungsten slurries.

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